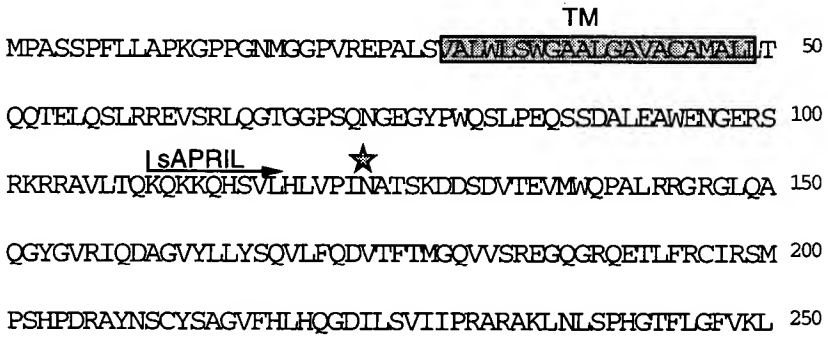
Fig. 1

A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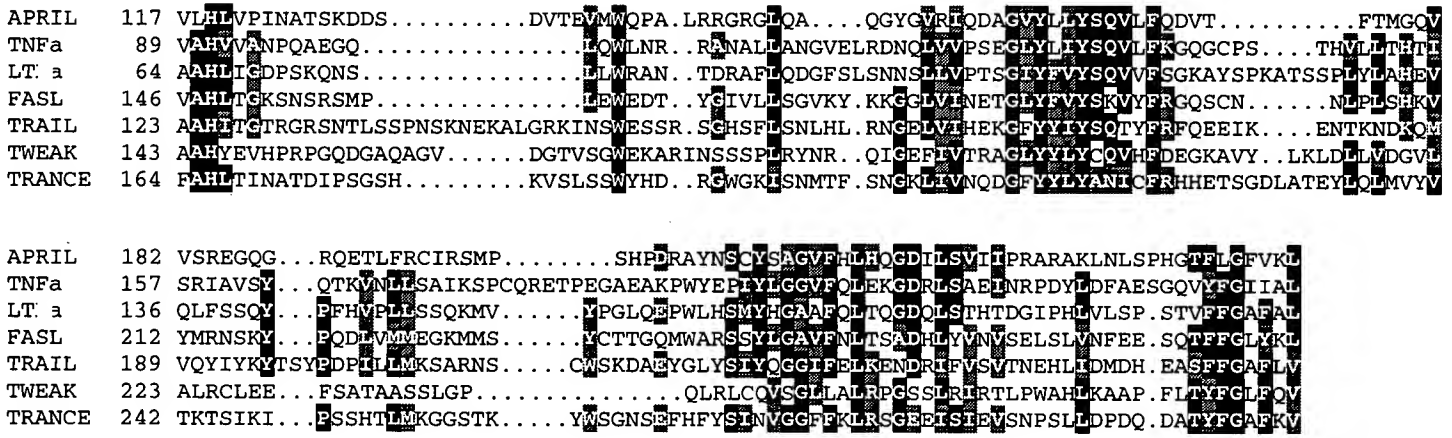
QQTELQSLRREVSRLQGTGGPSQNGEGYPWQSLPEQSSDALEAWENGERS 100
LsAPRIL
RKRRAVLTQKQKKQHSVLHLVPINATSKDDSDVTEVMWQPALRRGRGLQA 150
QGYGVRIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGRQETLFRCIRSM 200
PSHPDRAYNSCYSAGVFHLHQGDILSVIIPRARAKLNLSPHGTFLGFVKL 250

B


APRIL 117 VLHLVPINATSKDDS.....DVTEVMWQPA.LRRGRGLQA....QGYGVRIQDAGVYLLYSQVLFQDVT.....FTMGQV
TNFa 89 VAHVVANPQAEGQ.....LQWLNR..RANALLANGVELRDNQLVVPSEGLYLIYSQVLFKGQGCPS....THVLLTHTI
LT a 64 AAHLIGDPSKQNS.....LLWRAN..TDRAFLQDGFSLSNNSLLVPTSGIYFVYSQVVFSGKAYSPKATSSPLYLAHEV
FASL 146 VAHLTGKSNSRSMP.....LEWEDT..YGIVLLSGVKY.KKGGLVINETGLYFVYSKVYFRGQSCN.....NLPLSHKV
TRAIL 123 AAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSR.SGHSFLSNLHL.RNGELVIHEKGFYYIYSQTYFRFQEEIK....ENTKNDKQM
TWEAK 143 AAHYEVHPRPGQDGAQAGV.....DGTVSGWEKARINSSSPLRYNR..QIGEFIVTRAGLYYLYCQVHFDEGKAVY..LKLDLLVDGVL
TRANCE 164 FAHLTINATDIPSGSH.....KVSLSSWYHD..RGWGKISNMTF.SNGKLIVNQDGFYYLYANICFRHHETSGDLATEYLQLMVYV
APRIL 182 VSREGQG...RQETLFRCIRSMP.....SHPDRAYNSCYSAGVFHLHQGDILSVIIPRARAKLNLSPHGTFLGFVKL
TNFa 157 SRIAVSY...QTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIAL
LT a 136 QLFSSQY...PFHVPLLSSQKMV.....YPGLQEPWLHSMYHGAAFQLTQGDQLSTHTDGIPHLVLSP.STVFFGAFAL
FASL 212 YMRNSKY...PQDLVMMEGKMMS.....YCTTGQMWARSSYLGAVFNLTSADHLYVNVSELSLVNFEE.SQTFFGLYKL
TRAIL 189 VQYIYKYTSYPDPILLMKSARNS.....CWSKDAEYGLYSIYQGGIFELKENDRIFVSVTNEHLIDMDH.EASFFGAFLV
TWEAK 223 ALRCLEE...FSATAASSLGP.....QLRLCQVSGLLALRPGSSLRIRTLPWAHLKAAP.FLTYFGLFQV
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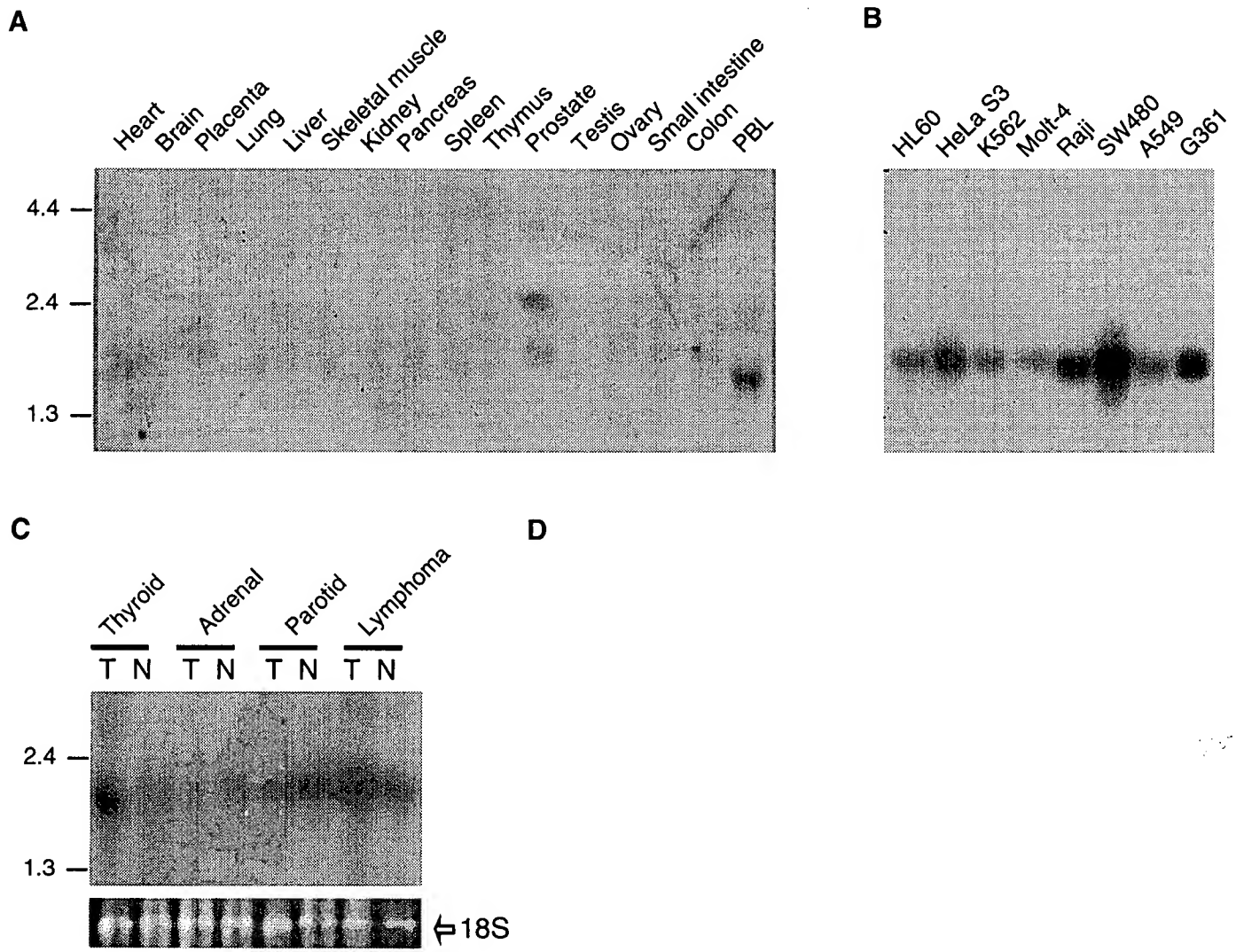


Fig. 2

SCANNED10

Fig. 2b

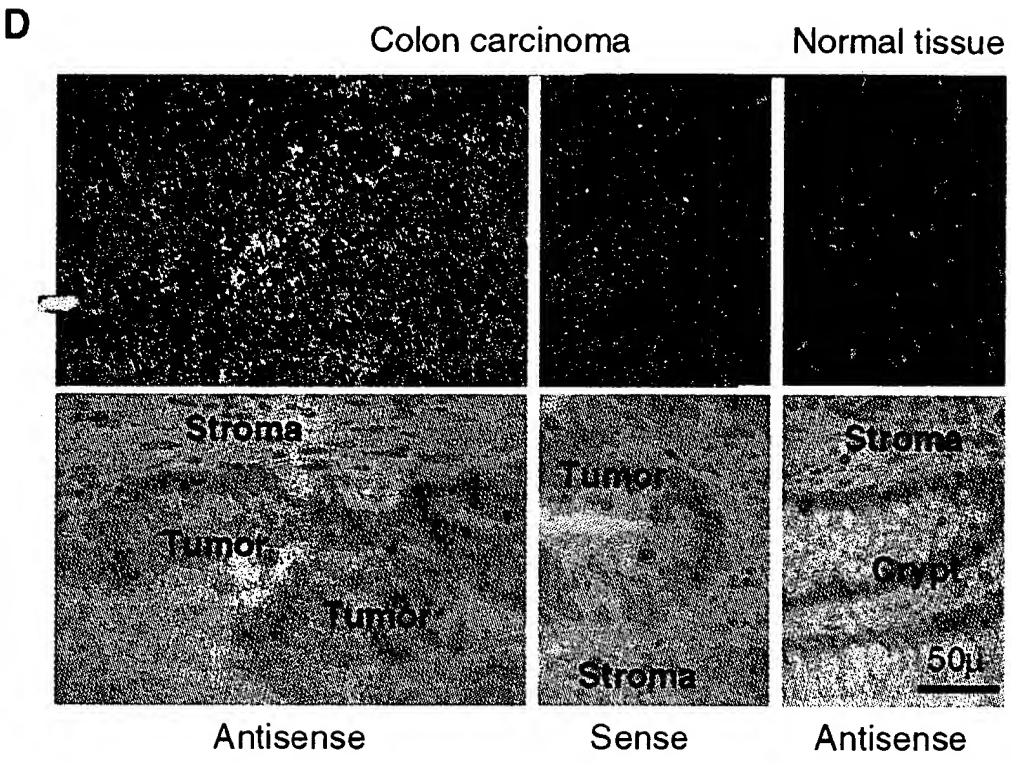

D
Colon carcinoma
Normal tissue
Stroma
Tumor
Tumor
Tumor
Stroma
Stroma
Crypt
50µ
Antisense
Sense
Antisense

Fig. 3

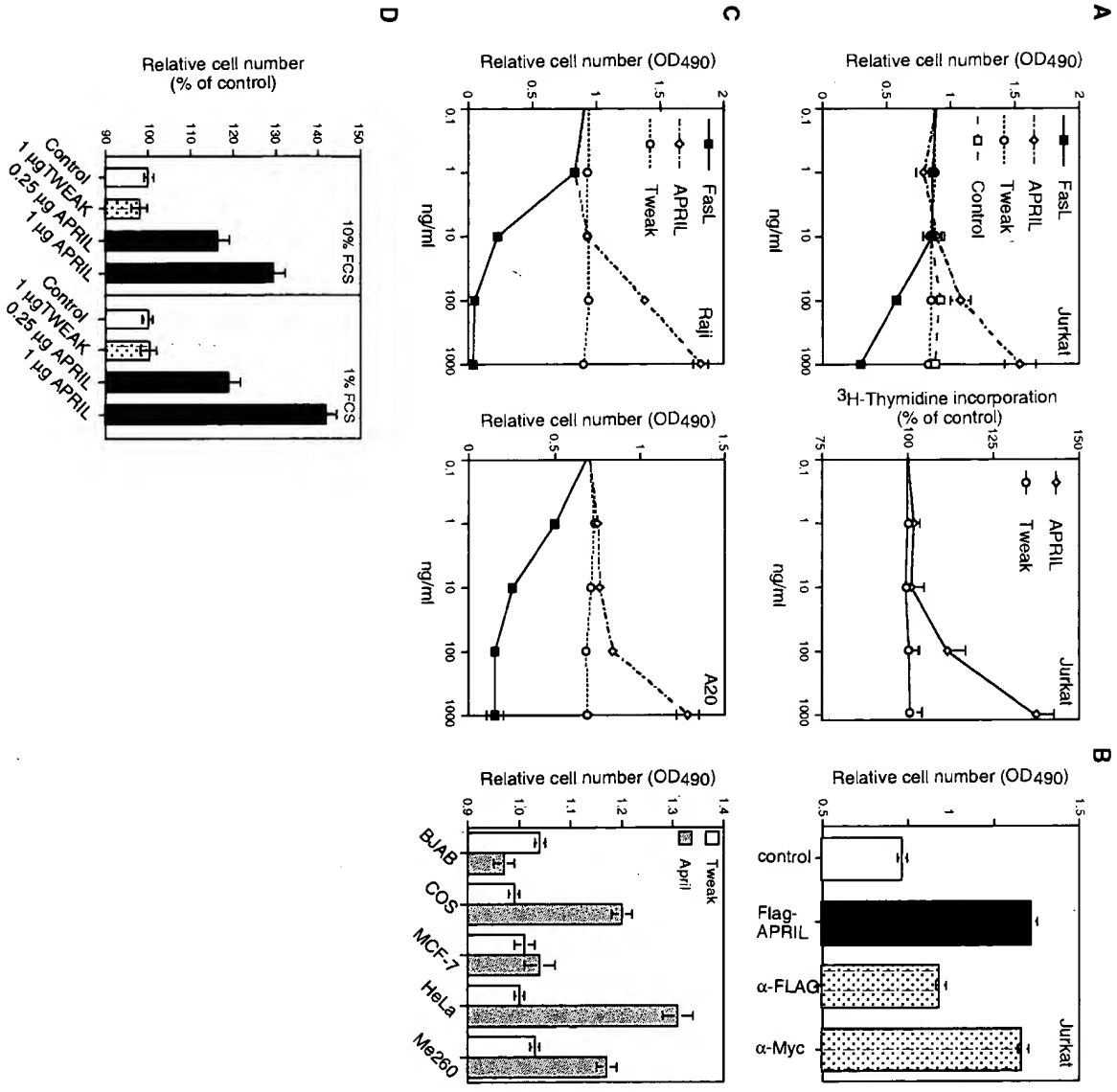
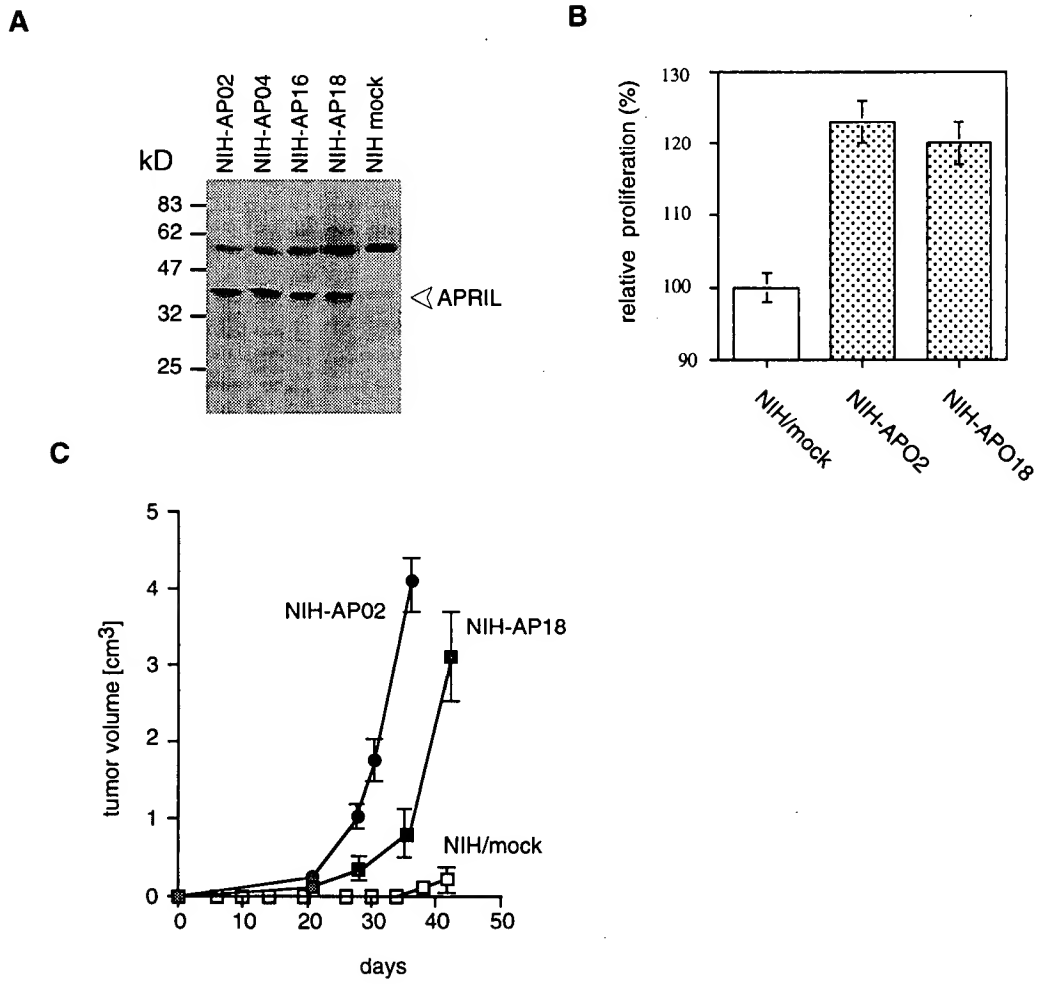

A
Relative cell number (OD490)
FasL
APRIL
Tweak
Control
Jurkat
ng/ml
3H-Thymidine incorporation
(% of control)
B
control
Flag-APRIL
α-FLAG
α-Myc
C
Raji
A20
D
Relative cell number
(% of control)
Control
1 µg TWEAK
0.25 µg APRIL
1 µg APRIL
10% FCS
1% FCS
BJAB
COS
MCF-7
HeLa
Me260
Tweak
April

Fig. 4



0952048 .030600

Fig. 5

Comparison Human and Mouse APRIL

```
                                    ... ............. .. .... .. ...
hAPRIL                          MGGPVREPALSVALWLSWGAALGAVACAMALLT
mAPRIL                          MGGSVREPALSVALWLSWGAVLGAVTCAVALLI
                    ...... ......... .....  ..... ... . .... .  .
hAPRIL          QQTELQSLRREVSRLQGTGGPSQNGEGYPWQSLPEQSSDALEAWENGERS
mAPRIL          QQTELQTLRREVSRLQRSGGPSQKQGERPWQSLWEQSPDVLEAWKDGAKS
                . ........ .. ........ . .... .......... ....... .
hAPRIL          RKRRAVLTQKQKKQHSVLHLVPINATSKDDSDVTEVMWQPALRRGRGLQA
mAPRIL          RRRRAVLTQKHKKKHSVLHLVPVNITSKD-SDVTEVMWQPVLRRGRGLEA
                . . ..  . . ......... ................. ..........
hAPRIL          QGYGVRIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGRQETLFRCIRSM
mAPRIL          QGDIVRVWDTGIYLLYSQVLFHDVTFTMGQVVSREGQGRRETLFRCIRSM
                .. ..................  . .... ... ............
hAPRIL          PSHPDRAYNSCYSAGVFHLHQGDILSVIIPRARAKLNLSPHGTFLGFVKL
mAPRIL          PSDPDRAYNSCYSAGVFHLHQGDIITVKIPRANAKLSLSPHGTFLGFVKL
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